

IN THE CLAIMS

Please amend the claims as follows:

1-13. (Cancelled).

14. (Currently Amended) A method for configuring a telecommunication system comprising a plurality of entities implementing a phase of communicating data conveyed by a plurality of transport channels, wherein said entities comprise at least one sending entity and at least one receiving entity, a phase of communication of said sending entity comprises a plurality of processing procedures specific to said plurality of transport channels, each processing procedure comprises a rate matching step and said rate matching step executes a transformation of an input block of an initial size into an output block of a final size by at least one of puncturing and repetition, said method further comprising:

a step of transmitting a first parameter representative of a maximum puncture rate and a second parameter representative of a rate matching ratio from said receiving entity to said sending entity;

a step of calculating, by said sending entity, for each of said processing procedures, said final size of said output block as a function of said initial size of said input block on a basis of a criterion, said criterion being dependent on said first parameter and said second parameter transmitted by in said step of transmitting; and

wherein some bits of said input block are punctured or repeated based on a variation between said final size and said initial size in said matching step.

15. (Previously Presented) The method for configuring a telecommunication system according to claim 14, wherein said criterion is further dependent on a plurality of predefined parameters relative to said transport channels grouped together within a composite of

transport channels, each predefined parameter being representative of a rate matching ratio of a transport channel comprised within said composite of transport channels.

16. (Previously Presented) The method for configuring a telecommunication system according to claim 15, wherein said step of calculating further comprises:

a step for calculating a set of available sizes for a multiplexing frame with said parameter;

a step for selecting one of said available sizes as a maximum payload of said multiplexing frame; and

a step for calculating said final size as a function of said initial size , at least one of said predefined parameters, and said maximum payload of said multiplexing frame.

17. (Previously Presented) The method for configuring a telecommunication system according to claim 15, wherein each of said predefined parameters vary in accordance with a quality of service of each of said transport channels comprised within said composite of transport channels.

18. (Currently Amended) A mobile station configured to communicate data over a plurality of transport channels grouped together within a composite of transport channels, comprising:

~~means for transforming an input block of an initial size into an output block of a final size by at least one of puncturing and repetition based on a variation between said final size and said initial size;~~

~~means for receiving a first parameter representative of a maximum puncture rate and a second parameter representative of a rate matching ratio;~~

means for calculating said a final size of an output block as a function of said an initial size of said an input block on a basis of a criterion, said criterion being dependent on said first parameter and said second parameter; and

means for transforming said input block of said initial size into said output block of said final size by at least one of puncturing and repetition based on a variation between said final size and said initial size.

19. (Previously Presented) The mobile station according to claim 18, wherein said calculating means calculates said final size so that said final size varies in accordance with a maximum payload of one and a same multiplexing frame.

20. (Previously Presented) The mobile station according to claim 18, wherein said criterion is further dependent on a plurality of predefined parameters for said composite of transport channels, each of said predefined parameters being representative of a rate matching ratio for each of said transport channels comprised within said composite of transport channels.

21. (Previously Presented) The mobile station according to claim 20, wherein each of said predefined parameters vary in accordance with a quality of service of each of said transport channels comprised within said composite of transport channels.

22. (Previously Presented) The mobile station according to claim 20, wherein said means for calculating further comprises:

means for calculating a set of available sizes for a multiplexing frame with said parameter;

means for selecting one of said available sizes as a maximum payload of said multiplexing frame; and

means for calculating said final size as a function of said initial size, at least one of said predefined parameters, and said maximum payload of said multiplexing frame.

23. (Currently Amended) A base station utilized for a telecommunication system comprising a plurality of entities implementing a phase of communicating data conveyed by a plurality of transport channels, wherein said entities comprise at least one sending entity and at least one receiving entity, a phase of communication of said sending entity comprises a plurality of processing procedures specific to said plurality of transport channels, each processing procedure comprises a rate matching step and said rate matching step executes a transformation of an input block of an initial size into an output block of a final size by at least one of puncturing and repetition, ~~said method further comprising:~~

means for transmitting a first parameter representative of a maximum puncture rate and a second parameter representative of a rate matching ratio to said sending entity;

means for receiving data, said data being transformed by at least one of puncturing and repetition based on a variation between said final size and said initial size, said final size of said output block being calculated as a function of said initial size of said input block on a basis of a criterion, said criterion being dependent on said first parameter representative of said maximum puncture rate; and said second parameter.

24. (Currently Amended) A method for transmitting data over a plurality of transport channels grouped together within a composite of transport channels, an input block of said data being transformed into an output block in a rate matching step, comprising:

a step of receiving a first parameter representative of a maximum puncture rate from a base station and a second parameter representative of a rate matching ratio; and

a step of determining a size of said output block as a function of a size of said input block on a basis of a criterion, said criterion being dependent on said first parameter and said second parameter received from said base station; and

wherein some bits of said input block are punctured or repeated based on a variation between the size of said input block and the size of said output block in said rate matching step.